REPLACEMENT CLAIMS

Please substitute the following claims for the pending claims with the same number.

1. (Currently Amended) A method for making simultaneous ringing calls comprising ~~preserving resources in an advanced intelligent network telecommunication system having a first telephone connected to a service switching point, a second telephone, a service control point, and a service node, comprising the steps of~~:

~~(a)~~ detecting an incoming call to ~~the~~ a first telephone by ~~the~~ a service switching point;

determining by a service control point associated with the service switching point an operational status of a service node;

~~(b)~~ checking by the service control point ~~the~~ a busy/idle status of ~~the~~ a second telephone associated with the first telephone if the service node is operational ~~by the service control point~~; and

~~(c)~~ generating ~~an~~ a first outgoing call to the first telephone and a second outgoing call to the second telephone by the service node if, but only if, the second telephone is idle.

2. (Currently Amended) The method of claim 1, wherein ~~said~~ the detecting ~~step~~ is performed by a trigger provisioned at the service switching point.

3. (Currently Amended) The method of claim 2, wherein ~~said~~ the trigger is a termination attempt trigger.

4. (Currently Amended) The method of claim 1, wherein ~~said~~ the checking ~~step~~ is performed by the service control point by sending a Monitor_for_Change message to, and by receiving a Status_Reported message from, the service switching point.

5. (Currently Amended) The method of claim 1, ~~wherein~~ further comprising exchanging messages between the service control point and the service node ~~exchange messages~~ via X.25 interface.

6. (Currently Amended) The method of claim 1, wherein ~~said~~ the second telephone is a wireless telephone that is served by a home location register.

7. (Currently Amended) The method of claim 6, wherein ~~said~~ the checking ~~step~~ is performed by the service control point by sending an IS-41 LocationRequest message to, and by receiving an IS-41 LocationRequest Return Result message from, the home location register.

8. (Cancelled)

9. (Currently Amended) The method of claim 1, further comprising checking ~~the~~ a busy/idle status of the first telephone if the service node is operational.

10. (Currently Amended) The method of claim 9, wherein the first outgoing call and the second outgoing call ~~to the second telephone is only~~ are generated if both the first telephone and the second telephones are idle.

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~~11.~~ (Currently Amended) A method for providing simultaneous ringing service ~~in an advanced intelligent network telecommunication system having a primary wireline telephone connected to a first service switching point, a secondary telephone, and a database,~~ comprising ~~the steps of~~:

~~(a)~~ associating ~~the~~ telephone numbers of ~~the~~ a primary telephone and a secondary telephone ~~telephones~~ in ~~the~~ a database;

~~(b)~~ detecting an incoming call to the primary telephone;

determining an operational status of a service node;

~~(c)~~ checking ~~the~~ busy/idle status of the primary telephone and the secondary telephone ~~telephones~~ if the service node is operational;

~~(d)~~ generating by ~~a~~ the service node a first outgoing call to the primary telephone and a second outgoing call to the secondary telephone if, but only if, both the primary telephone and the secondary telephone ~~telephones~~ are idle; and

~~(e)~~ upon answering by the primary telephone or the secondary telephone, connecting the incoming call to the telephone that has answered and canceling the call to the other telephone that has not answered.

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~~12.~~ (Currently Amended) The method of claim ~~11~~, wherein the database is maintained at a service control point ~~within the advanced intelligent network~~, and wherein ~~said~~ the detecting ~~step~~ is performed by a trigger provisioned at ~~said~~ a first service switching point associated with the primary telephone.

13. (Cancelled)

14. (Currently Amended) The method of claim ~~13~~ 12, wherein the secondary telephone is a wireline telephone that is connected to a second service switching point.

15. (Currently Amended) The method of claim ~~14~~ 12, wherein ~~said~~ the checking ~~step~~ is performed by the service control point by sending Monitor_for_Change messages to, and by receiving Status_Reported messages from, ~~said~~ the first service switching point and ~~said~~ the second service switching ~~points~~ point.

16. (Currently Amended) The method of claim ~~13~~ 12, wherein ~~said~~ the secondary telephone is a wireless telephone line that is served by a home location register.

17. (Currently Amended) The method of claim ~~16~~ 14, wherein ~~said~~ the checking ~~step~~ is performed by the service control point sending a Monitor_for_Change message to, and receiving a Status_Reported message from, ~~said~~ the first service switching point, and sending an IS-41 LocationRequest message to, and receiving an IS-41 LocationRequest Return Result message from, ~~said~~ the home location register.

18. (Currently Amended) The method of claim ~~17~~ 15, wherein ~~said~~ the first outgoing call is generated about four seconds after ~~said~~ the second outgoing call is generated.

19. (Currently Amended) The method of claim ~~13~~ 10, further comprising ~~the steps of~~:

~~(f) connecting the incoming call to the telephone that has answered;~~

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~~(g)~~ keeping the incoming call connected through the service node for a predetermined duration; and

~~(h)~~ upon expiration of the predetermined duration, withdrawing the service node from the incoming call connection.

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20. (Currently Amended) The method of claim 19, wherein ~~said~~ the predetermined duration is a tunable variable.

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21. (Currently Amended) An advanced intelligent network telecommunication system comprising:

~~(a)~~ a first service switching point connected to a primary telephone of a subscriber, ~~said~~ the primary telephone having a primary telephone number;

~~(b)~~ a service control point having a database associating the primary telephone number with a secondary telephone number of a secondary telephone of the subscriber;

~~(c)~~ means for detecting an incoming call to the primary telephone;

means for determining an operational status of a service node associated with the service control point; and

~~(d)~~ means for checking ~~the~~ busy/idle status of the primary telephone and secondary telephone, ~~telephones; and~~

~~(e) a service node having the capability of generating multiple calls simultaneously,~~

wherein when the incoming call to the primary telephone is detected, the service control point determines the operational status of the service node, and the service control point checks

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the busy/idle status of the primary telephone and ~~the~~ secondary telephone ~~telephones~~ if the service node is operational, and the service control point forwards the incoming call to the service node for generating a first outgoing call to the primary telephone and a second outgoing call to the secondary telephone if, but only if, both the primary telephone and the secondary ~~telephones~~ telephone are idle.

20. (Currently Amended) The telecommunication system of claim 19, wherein ~~said~~ the detecting means is performed by a trigger provisioned at the first service switching point.

21. (Currently Amended) The telecommunication system of claim 20, wherein ~~said~~ the trigger is a termination attempt trigger.

22. (Currently Amended) The telecommunication system of claim 19, wherein ~~said~~ the secondary telephone is a wireline telephone connected to a second service switching point.

23. (Currently Amended) The telecommunication system of claim ~~24~~ 22, wherein the busy/idle status checking means is performed by the service control point by sending Monitor_for_Change messages to, and by receiving Status_Reported messages from, the first service switching point and the second service switching ~~points~~ point.

24. (Currently Amended) The telecommunication system of claim 19, wherein ~~said~~ secondary telephone is a wireless telephone served by a home location register.

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27. (Original) The telecommunication system of claim 24, wherein the busy/idle status checking means is performed by the service control point by sending a Monitor_for_Change message to, and by receiving Status_Reported message from, the first service switching point, and by sending an IS-41 LocationRequest message to, and by receiving an IS-41 LocationRequest Return Result message from, the home location register.

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28. (Currently Amended) The telecommunication system of claim 21, wherein ~~said~~ the second outgoing call is generated about four seconds before ~~said~~ the first outgoing call is generated.

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29. (Currently Amended) ~~An advanced intelligent network telecommunication system,~~ A telecommunication system comprising a service node, a first telephone, a switch associated with the first telephone, and a second telephone, wherein when the ~~service node~~ first telephone receives an incoming call from a caller ~~the first telephone~~, the switch forwards the incoming call to the service node if the service node has been determined to be operational, the service node then generates a first outgoing call to the first telephone and a second ~~an~~ outgoing call to the second telephone if both the first telephone and the second telephone have been determined to be idle, and when one of the first telephone and the second telephone answers, the service node makes a connection between the caller and the telephone that answers, maintains the connection ~~keeps the first and the second telephones connected~~ for a predetermined duration, and ~~before~~ withdrawing from the connection after the predetermined duration has expired.

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30. (Original) The telecommunication system of claim 29, wherein the predetermined duration is a tunable variable.

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31. (Currently Amended) A method for providing simultaneous ringing service comprising ~~to a wireline telephone of an advanced intelligent network telecommunication system and a wireless telephone of a wireless intelligent network, comprising the steps of~~:

~~(a)~~ associating ~~the~~ a first telephone number of ~~telephone numbers of the~~ a wireline telephone and ~~the~~ a second telephone number of a wireless telephone in a database accessible by a service control point;

~~(b)~~ detecting an incoming call to the wireline telephone;

determining by the service control point an operational status of a service node associated with the service control point;

~~(c)~~ checking ~~the~~ by the service control point busy/idle status of the wireline telephone and the wireless telephone if the service node is operational;

~~(d)~~ generating by ~~a~~ the service node a first outgoing call to the wireless telephone and a second outgoing call to the wireline telephone if, but only if, both the wireline telephone and the ~~secondary~~ wireless telephone are available to receive calls; and

~~(e)~~ after one of the wireline telephone and the wireless telephone answers ~~the incoming call~~ one of the first outgoing call and the second outgoing call, connecting the incoming call to the telephone that has answered and canceling the remaining one of the first outgoing call and the second outgoing call ~~to the telephone that has not answered~~.

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32. (Currently Amended) The method of claim 29, wherein ~~said~~ the detecting ~~step~~ is performed by a trigger provisioned at a service switching point connected to the wireline telephone.

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33. (Currently Amended) The method of claim 30, wherein ~~said~~ the trigger is a termination attempt trigger.

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34. (Currently Amended) The method of claim 29, wherein ~~said~~ the checking ~~step~~ is performed by the service control point by sending a Monitor_for_Change message to, and by receiving Status_Reported message from, the service switching point, and by sending an IS-41 LocationRequest message to, and by receiving an IS-41 LocationRequest Return Result message from, a home location register serving the ~~secondary~~ wireless telephone.

35. (Cancelled)

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36. (Currently Amended) The method of claim ~~35~~ 29, wherein the second outgoing call is generated about four seconds after the first outgoing call is generated.

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37. (Currently Amended) The method of claim ~~35~~ 29, further comprising ~~the steps of~~:

~~(f) connecting the incoming call to the telephone that has answered;~~

~~(g)~~ keeping the incoming call connected through the service node for a predetermined duration; and

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~~(h)~~——upon expiration of the predetermined duration, withdrawing the service node from the incoming call connection.

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~~38.~~ (Currently Amended) The method of claim ~~37~~, wherein ~~said~~ the predetermined duration is a tunable variable.

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39. (Cancelled)

40. (Cancelled)

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~~41.~~ (New) A method for making simultaneous ringing calls comprising:

detecting by a switch an incoming call from a caller telephone to a primary telephone of a subscriber;

querying a service control point by the switch for a secondary telephone associated with the subscriber;

determining by the service control point an operational status of a service node associated with the service control point;

checking by the service control point busy/idle status of the primary telephone and the secondary telephone if the service node is operational; and

generating by the service node a first ongoing call to the primary telephone and a second outgoing call to the secondary telephone if, but only if, both the primary telephone and the secondary telephone are idle.

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~~42~~. (New) The method of claim ~~41~~ 36, wherein the determining includes exchanging messages between the service control point and the service node.

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~~43~~. (New) The method of claim ~~42~~ 37, wherein the messages are exchanged via X.25 interface.

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~~44~~. (New) The method of claim ~~41~~ 36, further comprising:

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connecting the caller telephone to one of the primary telephone and the secondary telephone that answers one of the first outgoing call and the second outgoing call;

canceling the remaining one of the first outgoing call and the second outgoing call;

keeping the caller telephone and the one of the primary telephone and the secondary telephone connected through the service node for a predetermined duration; and

upon expiration of the predetermined duration, withdrawing the service node from the connection.

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~~45~~. (New) The method of claim ~~44~~ 39, wherein the predetermined duration is a tunable variable.

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